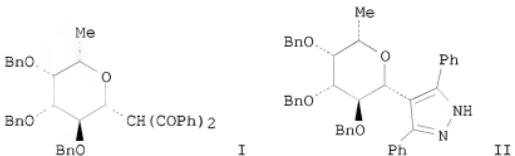


=> d 16 ibib abs 1-5

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:108968 CAPLUS <<LOGINID::20080213>>  
DOCUMENT NUMBER: 144:331652  
TITLE: *Sc(OTf)3-catalyzed C-glycosylation of*  
*β-diketones. A facile access to useful precursors*  
*of heteroaromatic C-glycosides*  
AUTHOR(S): Yamauchi, Takahito; Shigeta, Masayuki; Matsumoto,  
Takashi; Suzuki, Keisuke  
CORPORATE SOURCE: Department of Chemistry, Tokyo Institute of  
Technology, JST-Agency, 2-12-1, Ookayama, Meguro-ku,  
Tokyo, 152-8551, Japan  
SOURCE: Heterocycles (2005), 66, 153-160  
CODEN: HTCYAM; ISSN: 0385-5414  
PUBLISHER: Japan Institute of Heterocyclic Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 144:331652  
GI



AB Scandium triflate efficiently catalyzes C-glycosylation of  
β-diketones with glycosyl acetate. Elaboration of cyclization of the  
β-diketo moiety in the resulting *C-glycosides*,  
e.g. I, to heterocycles provides a flexible route to the C-nucleoside  
analogs, e.g. II.

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:585160 CAPLUS <<LOGINID::20080213>>  
DOCUMENT NUMBER: 138:39469  
TITLE: One-pot synthesis of C-glycosylic compounds (*C-glycosides*) from D-glucal, p-tolylsulfonyl  
chloride and aromatic/*heteroaromatic*  
compounds in the presence of Lewis acids  
AUTHOR(S): Koikov, Leonid N.; Smoliakova, Irina P.; Liu, Hui  
CORPORATE SOURCE: Chemistry Department, University of North Dakota,  
Grand Forks, ND, 58202-9024, USA  
SOURCE: Carbohydrate Research (2002), 337(14), 1275-1283  
CODEN: CBRAT; ISSN: 0008-6215  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English





acetyl- $\beta$ -L-fucopyranosyl)benzene. A mixture of the brominated product, Pd(PPh<sub>3</sub>)<sub>4</sub>, K<sub>2</sub>CO<sub>3</sub>, and toluene was treated with Bu<sub>3</sub>SnSnBu<sub>3</sub> under reflux for 10 h to give 77% 1,4-dimethoxy-2-(2,3,4-tri-O-acetyl- $\beta$ -L-fucopyranosyl)-5-(tri-*n*-butylstannyl)benzene.

→ d his

(FILE 'HOME' ENTERED AT 14:49:21 ON 13 FEB 2008)

FILE 'REGISTRY' ENTERED AT 14:49:31 ON 13 FEB 2008

L1 STRUCTURE uploaded  
L2 0 S L1 SSS SAM  
L3 0 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:29:48 ON 13 FEB 2008

L4 2059 S C-GLYCOSIDE  
L5 0 S L4 AND BENZOTHIOPHENE  
L6 5 S L4 AND HETEROAROMATIC  
L7 5 S L6 AND PY<=2005

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=> logoff hold
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CA SUBSCRIBER PRICE                            -4.00          -4.00

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STN INTERNATIONAL SESSION SUSPENDED AT 15:31:23 ON 13 FEB 2008